Five hundred polynomial factoring problems

1. $x^2 - 14x + 45$

2. $3x^2 + 23x + 14$

3. $2x^3 - 2x^2 - 9x + 9$

4. $3x^2 - 12x + 9$

5. $2x^2 + 24x + 54$

6. $3x^2 - 3$

7. $2x^2 + 17x + 21$

8. $8x^2 - 20x + 8$

9. $36x^2 - 12x - 35$

10. $5x^2 + 23x - 42$

11. $x^2 + 6x - 16$

12. $4x^2 - 18x + 14$

13. $4x^2 + 38x + 18$

14. $3x^2 - 15x + 12$

15. $10x^2 - 23x - 5$

16. $6x^2 - 45x + 54$

17. $4x^2 - 25x + 25$

18. $x^3 - 2x^2 - 2x + 4$

19. $15x^2 + 33x + 18$

20. $x^3 + x^2 - x - 1$

21. $8x^2 - 14x - 72$

22. $12x^2 - 16x - 28$

23. $12x^3 - 6x^2 + 18x - 9$

24. $6x^3 + 27x^2 + 18x + 81$

25. $2x^2 + 26x + 72$

26. $x^2 + 7x - 18$

27. $8x^2 + 10x - 63$

28. $4x^2 - 4$

29. $6x^2 - 3x - 3$

30. $2x^2 + 9x - 5$

31. $4x^2 - 21x - 49$

32. $x^2 - 2x - 48$

33. $x^2 - 14x + 48$

34. $x^2 - 2x - 63$

35. $2x^2 - 10x - 72$

36. $4x^2 - 44x + 72$

37. $3x^3 + 6x^2 + 6x + 12$

38. $2x^2 - 5x - 3$

39. $2x^2 - 4x - 30$

40. $4x^2 - 20x + 16$

41. $x^2 - 8x + 12$

42. $12x^3 + 27x^2 - 4x - 9$

43. $6x^2 - 5x - 21$

44. $8x^2 - 16x - 10$

45. $x^2 - 2x - 48$

46. $12x^2 + 46x - 8$

47. $4x^2 + 33x + 54$

48. $x^2 + 4x - 5$

49. $3x^2 + 19x + 6$

50. $2x^2 - 22x + 36$

51. $4x^2 + 26x + 42$

52. $x^2 + 4x - 45$

53. $20x^2 + 60x + 40$

54. $12x^3 + 6x^2 - 6x - 3$

55. $3x^2 - 24x - 27$

56. $4x^3 - 3x^2 - 28x + 21$

57. $x^2 + 4x + 3$

58. $x^3 - 2x^2 - x + 2$

59. $4x^2 - 21x + 20$

60. $x^3 - 4x^2 - 5x + 20$

61. $x^3 + 4x^2 + 6x + 24$

62. $10x^2 - 35x + 25$

63. $3x^2 + 14x + 16$

64. $4x^3 + 7x^2 - 16x - 28$

65. $3x^3 + 21x^2 - 7x - 49$

66. $6x^2 - 60x + 54$

67. $18x^3 - 18x^2 - 12x + 12$

68. $12x^2 + 14x + 4$

69. $3x^2 - 30x + 63$

70. $12x^2 + 14x + 4$

71. $16x^2 + 8x - 63$

72. $12x^2 - 28x + 16$

73. $4x^2 + 21x - 18$

74. $2x^2 - 9x + 9$

75. $2x^3 + 6x^2 - 5x - 15$

76. $2x^2 - 3x - 35$

77. $30x^2 - 29x - 45$

78. $x^2 - 5x - 14$

79. $2x^2 + 9x + 4$

80. $x^2 + 6x + 5$

81. $x^2 - 11x + 24$

82. $x^2 + 2x - 24$

83. $15x^2 + 14x - 8$

84. $2x^2 + 18x + 40$

85. $2x^2 + 6x - 8$

86. $2x^2 + 13x + 6$

87. $6x^2 + 19x + 15$

88. $4x^2 - 20x - 24$

89. $2x^2 - 11x + 9$

90. $3x^2 + 25x - 18$

91. $x^3 + 6x^2 + 2x + 12$

92. $2x^3 - 4x^2 - 3x + 6$

93. $2x^2 + 7x + 3$

94. $x^2 - 2x - 63$

95. $x^2 + 3x - 54$

96. $12x^2 - 6x - 6$

97. $25x^2 + 5x - 12$

98. $5x^2 + x - 18$

99. $8x^3 + 12x^2 + 2x + 3$

100. $x^2 - 7x - 18$

101. $6x^2 + 25x + 25$

102. $2x^3 - 5x^2 - 2x + 5$

103. $3x^2 - x - 4$

104. $20x^2 - 13x - 21$

105. $4x^2 - 34x - 18$

106. $4x^2 - 24x + 32$

107. $6x^2 - 39x + 45$

108. $16x^2 - 36x + 18$

109. $3x^2 + 19x + 6$

110. $x^3 + 4x^2 + 8x + 32$

111. $x^3 + x^2 - 4x - 4$

112. $3x^2 + 24x + 36$

113. $2x^2 - 8x - 42$

114. $3x^2 - 2x - 21$

115. $4x^2 - 18x - 36$

116. $x^2 - 5x - 24$

117. $12x^2 + 50x - 18$

118. $x^2 - 10x + 24$

119. $4x^2 + 25x + 6$

120. $x^2 + 6x + 5$

121. $4x^2 - 40x + 36$

122. $12x^2 + 23x - 24$

123. $2x^3 - 8x^2 - 12x + 48$

124. $2x^3 - 6x^2 + 9x - 27$

125. $12x^2 - 7x - 10$

126. $x^2 + 6x + 9$

127. $6x^2 + 38x + 56$

128. $2x^2 - 4x - 30$

129. $36x^2 - 60x + 25$

130. $3x^2 + 4x + 1$

131. $2x^2 + 17x + 36$

132. $x^2 - 2x - 48$

133. $4x^2 - 30x + 56$

134. $12x^2 - 10x - 12$

135. $x^2 + 9x + 20$

136. $x^2 - 6x - 7$

137. $18x^3 - 9x^2 - 12x + 6$

138. $4x^2 - 29x - 63$

139. $3x^2 - 3x - 6$

140. $24x^2 - 20x + 4$

141. $18x^2 + 57x + 24$

142. $3x^2 - 22x + 24$

143. $15x^2 - 36x + 21$

144. $4x^2 + 19x - 30$

145. $x^3 + x^2 - 3x - 3$

146. $6x^2 + 21x - 12$

147. $4x^2 - x - 5$

148. $4x^2 - 33x + 35$

149. $2x^3 + 10x^2 + 7x + 35$

150. $x^2 - 3x + 2$

151. $x^3 + 6x^2 + 9x + 54$

152. $x^3 - 2x^2 + 6x - 12$

153. $4x^3 - 14x^2 + 2x - 7$

154. $x^2 + 4x - 21$

155. $2x^2 - 4x - 16$

156. $4x^2 - 16$

157. $5x^2 - 36x - 32$

158. $9x^2 - 18x - 7$

159. $4x^3 + 16x^2 - 2x - 8$

160. $3x^3 - 21x^2 - 8x + 56$

161. $24x^2 + 10x - 21$

162. $2x^2 - 22x + 56$

163. $24x^2 - 8x - 42$

164. $6x^2 + 25x + 24$

165. $4x^3 + 6x^2 + 6x + 9$

166. $2x^2 + 5x + 2$

167. $2x^3 + 8x^2 - 16x - 64$

168. $4x^3 - 36x^2 - 6x + 54$

169. $3x^2 - 5x - 12$

170. $2x^3 + 3x^2 - 18x - 27$

171. $12x^2 + 22x - 42$

172. $x^2 - 2x - 3$

173. $4x^2 + 12x - 40$

174. $2x^2 - 10x - 28$

175. $5x^2 + 46x + 9$

176. $6x^2 - 28x + 16$

177. $x^2 - 7x - 18$

178. $5x^2 - 49x + 36$

179. $6x^3 - 10x^2 + 6x - 10$

180. $x^3 - 9x^2 + 7x - 63$

181. $6x^2 - 12x - 18$

182. $x^3 - 7x^2 - 2x + 14$

183. $4x^2 + 14x + 12$

184. $4x^2 - 18x + 18$

185. $8x^2 - 12x - 20$

186. $x^3 - x^2 - 8x + 8$

187. $2x^2 - 13x - 7$

188. $15x^2 + 42x + 24$

189. $2x^2 - 9x + 10$

190. $4x^2 - 36x + 32$

191. $4x^2 + 16x - 48$

192. $x^2 + 4x - 45$

193. $5x^2 - 14x + 8$

194. $5x^2 - 25x - 30$

195. $12x^2 - 64x + 64$

196. $3x^2 - 3x - 18$

197. $2x^2 + 14x - 16$

198. $3x^2 + 20x - 32$

199. $x^2 - 6x - 7$

200. $20x^2 + 13x - 72$

201. $x^2 - 5x - 6$

202. $x^3 - x^2 + 5x - 5$

203. $2x^2 - 11x + 12$

204. $12x^3 - 12x^2 - 24x + 24$

205. $6x^3 + 18x^2 - 16x - 48$

206. $x^3 - 7x^2 + 5x - 35$

207. $4x^2 - 28x - 72$

208. $12x^2 + 11x - 36$

209. $9x^2 - 3x - 6$

210. $3x^2 - 24x + 21$

211. $2x^2 - 9x - 5$

212. $6x^2 - 6x - 36$

213. $2x^3 - 6x^2 + 2x - 6$

214. $x^2 - 1$

215. $6x^3 + 42x^2 + x + 7$

216. $2x^2 + 5x - 25$

217. $5x^3 + 2x^2 - 25x - 10$

218. $4x^2 - 19x + 21$

219. $3x^3 - 6x^2 - 2x + 4$

220. $4x^2 - 23x - 6$

221. $x^2 - 9x + 14$

222. $6x^3 + 9x^2 - 18x - 27$

223. $4x^2 - 12x + 8$

224. $18x^2 - 54x + 36$

225. $8x^2 - 10x - 12$

226. $x^2 - 2x - 8$

227. $6x^2 + 11x - 10$

228. $x^2 - 14x + 49$

229. $6x^2 - 38x - 28$

230. $8x^3 - 32x^2 - 14x + 56$

231. $2x^2 - 14x + 24$

232. $8x^2 - 46x + 45$

233. $x^2 - 3x + 2$

234. $8x^2 - 38x + 45$

235. $16x^2 - 20x + 6$

236. $4x^2 - 17x + 18$

237. $5x^2 + 17x - 12$

238. $5x^2 - 29x - 42$

239. $4x^2 - 16x + 12$

240. $24x^3 - 8x^2 + 54x - 18$

241. $x^2 - 16$

242. $4x^2 - 25x + 25$

243. $x^2 + 12x + 27$

244. $6x^2 + 51x + 63$

245. $4x^2 + 26x - 48$

246. $3x^2 + 10x - 48$

247. $2x^3 - x^2 + 12x - 6$

248. $2x^2 - 11x + 14$

249. $4x^2 - 5x - 6$

250. $x^2 + 9x + 8$

251. $2x^2 + 6x - 36$

252. $4x^2 + 34x - 18$

253. $18x^2 - 81x + 81$

254. $2x^2 + 4x - 30$

255. $12x^3 + 2x^2 - 6x - 1$

256. $x^2 - 5x - 6$

257. $2x^2 - 14x - 16$

258. $3x^2 + 26x + 16$

259. $8x^2 + 2x - 45$

260. $8x^2 - 18x + 9$

261. $2x^3 + 4x^2 - 6x - 12$

262. $20x^3 + 28x^2 + 35x + 49$

263. $5x^3 - 20x^2 + 9x - 36$

264. $3x^2 - 28x + 32$

265. $9x^2 - 30x + 21$

266. $9x^2 - 4$

267. $6x^2 + 4x - 2$

268. $2x^2 - 12x + 16$

269. $x^2 + 4x - 12$

270. $2x^2 - 17x + 36$

271. $x^2 + 9x + 14$

272. $12x^2 + 47x + 40$

273. $x^2 - 4x - 21$

274. $4x^2 + 24x - 28$

275. $4x^2 - 14x - 30$

276. $8x^2 - 50x + 63$

277. $12x^2 + 32x - 64$

278. $2x^2 - 9x + 7$

279. $6x^3 + 5x^2 - 24x - 20$

280. $9x^2 + 12x - 5$

281. $4x^2 - 31x + 21$

282. $x^3 - 8x^2 + 4x - 32$

283. $2x^2 - 23x + 45$

284. $4x^2 - 11x - 20$

285. $2x^2 - 12x + 10$

286. $2x^2 + 11x + 12$

287. $6x^3 + 24x^2 - 6x - 24$

288. $10x^3 + 2x^2 - 35x - 7$

289. $3x^3 - 21x^2 + 8x - 56$

290. $8x^2 + 18x - 56$

291. $x^2 + 12x + 32$

292. $2x^2 + 23x + 56$

293. $24x^2 + 48x + 24$

294. $3x^2 - 14x - 24$

295. $10x^2 - 6x - 28$

296. $x^2 - 5x - 14$

297. $18x^2 + 48x + 30$

298. $x^2 - x - 20$

299. $6x^2 - 11x - 10$

300. $5x^2 - 20x + 15$

301. $4x^2 - 21x - 49$

302. $6x^2 + 11x + 3$

303. $12x^2 - 32x + 5$

304. $x^2 - 5x - 14$

305. $x^3 + 3x^2 + 8x + 24$

306. $4x^3 + 18x^2 - 6x - 27$

307. $16x^2 - 72x + 81$

308. $30x^3 + 30x^2 - 24x - 24$

309. $30x^2 + 7x - 49$

310. $x^2 + 10x + 21$

311. $x^3 + 4x^2 + 7x + 28$

312. $4x^2 + 27x + 35$

313. $x^2 - 1$

314. $16x^3 + 36x^2 - 12x - 27$

315. $6x^3 - 4x^2 - 3x + 2$

316. $8x^2 + 26x - 7$

317. $2x^2 - 11x + 5$

318. $6x^3 + 48x^2 - 3x - 24$

319. $30x^2 - 64x + 32$

320. $20x^3 - 40x^2 + 16x - 32$

321. $2x^2 + x - 21$

322. $2x^2 - 13x + 18$

323. $25x^2 - 36$

324. $8x^2 - 44x + 48$

325. $12x^3 - 16x^2 + 6x - 8$

326. $10x^2 + 3x - 18$

327. $x^2 - 12x + 36$

328. $6x^2 - 2x - 8$

329. $8x^2 + 16x - 10$

330. $3x^2 + 3x - 6$

331. $3x^2 + 14x + 16$

332. $10x^2 + 22x + 4$

333. $4x^2 - 12x - 40$

334. $4x^2 - 8x - 12$

335. $5x^2 - 32x - 21$

336. $6x^2 + 24x - 30$

337. $16x^2 + 36x + 8$

338. $2x^2 - 8x + 8$

339. $6x^2 + 41x - 56$

340. $6x^2 + 17x + 10$

341. $x^3 - 9x^2 + 4x - 36$

342. $2x^2 - 17x + 21$

343. $3x^2 + 22x + 35$

344. $9x^3 + 18x^2 + 24x + 48$

345. $4x^2 - 12x - 16$

346. $x^2 - 14x + 45$

347. $x^3 - 2x^2 - 8x + 16$

348. $4x^2 + 22x - 42$

349. $x^2 + x - 30$

350. $15x^3 + 3x^2 + 15x + 3$

351. $18x^2 - 6x - 40$

352. $2x^2 - 8$

353. $6x^2 + 2x - 4$

354. $3x^2 + 13x + 14$

355. $x^2 - 81$

356. $4x^2 + 17x - 15$

357. $12x^2 - 60x + 63$

358. $6x^2 + 22x - 8$

359. $12x^3 - 4x^2 - 12x + 4$

360. $5x^2 - 33x - 14$

361. $4x^2 - 41x + 45$

362. $x^2 - 5x - 6$

363. $24x^2 - 20x - 4$

364. $5x^2 - 19x - 4$

365. $4x^2 - 28x + 24$

366. $5x^3 + x^2 + 10x + 2$

367. $16x^3 + 4x^2 + 32x + 8$

368. $2x^2 - 19x + 42$

369. $18x^2 + 45x - 27$

370. $x^2 + 5x - 24$

371. $x^3 - 7x^2 + 6x - 42$

372. $x^2 - 11x + 30$

373. $x^3 - 7x^2 + 4x - 28$

374. $2x^2 - 3x - 20$

375. $2x^2 - 3x - 27$

376. $x^2 + 18x + 81$

377. $2x^2 + 2x - 24$

378. $6x^2 + 8x - 30$

379. $3x^3 - 9x^2 - 15x + 45$

380. $10x^2 - 24x + 8$

381. $20x^2 + 56x + 36$

382. $x^2 - 2x + 1$

383. $2x^2 - 3x - 54$

384. $6x^2 + 24x - 30$

385. $2x^2 + 16x + 14$

386. $3x^3 + 6x^2 - 3x - 6$

387. $18x^2 - 36x - 54$

388. $x^2 - 11x + 30$

389. $4x^3 + 3x^2 - 4x - 3$

390. $6x^2 - 24x + 24$

391. $6x^2 + 8x - 8$

392. $2x^2 - 13x + 6$

393. $3x^2 - 28x + 9$

394. $6x^2 + 44x + 14$

395. $3x^2 + 23x - 8$

396. $2x^2 + 7x - 49$

397. $3x^3 + 18x^2 - 3x - 18$

398. $4x^2 - 11x + 6$

399. $5x^3 + 40x^2 + x + 8$

400. $4x^2 - 6x - 4$

401. $x^2 + 8x + 15$

402. $6x^2 - 12x - 48$

403. $2x^2 + 14x + 24$

404. $2x^2 + 12x - 54$

405. $9x^3 + 21x^2 + 27x + 63$

406. $9x^2 + 6x - 35$

407. $4x^2 + 14x + 12$

408. $3x^2 - 26x + 48$

409. $2x^2 + 7x - 9$

410. $12x^2 - 27x - 27$

411. $3x^2 + 6x - 9$

412. $3x^2 + 14x + 15$

413. $5x^2 + 23x + 12$

414. $4x^2 + 32x + 28$

415. $x^2 - 4x + 3$

416. $6x^2 - 37x - 35$

417. $10x^2 + 50x + 40$

418. $x^2 - 9x + 8$

419. $2x^2 + 12x - 14$

420. $24x^2 + 20x - 24$

421. $3x^3 - 6x^2 - 6x + 12$

422. $3x^2 + 21x - 54$

423. $3x^3 - 21x^2 - 3x + 21$

424. $2x^3 + 6x^2 + 4x + 12$

425. $3x^3 + 9x^2 - x - 3$

426. $2x^2 + x - 3$

427. $16x^2 - 56x + 49$

428. $8x^3 - 14x^2 - 12x + 21$

429. $2x^3 + 12x^2 + 3x + 18$

430. $5x^3 - 4x^2 - 10x + 8$

431. $4x^2 - 34x - 18$

432. $15x^2 + 57x + 54$

433. $5x^2 - 23x - 10$

434. $3x^2 + 12x + 12$

435. $3x^2 + 15x + 18$

436. $5x^2 - 37x - 72$

437. $24x^2 - 52x + 24$

438. $x^2 + x - 12$

439. $x^2 - 10x + 24$

440. $2x^2 + 3x - 20$

441. $15x^2 + 26x + 8$

442. $4x^3 + 8x^2 - 36x - 72$

443. $10x^3 - 6x^2 - 25x + 15$

444. $x^2 - x - 20$

445. $4x^2 - 34x + 42$

446. $20x^2 - 36x + 16$

447. $2x^2 + 19x + 35$

448. $2x^2 - x - 28$

449. $2x^2 - 8x + 6$

450. $2x^2 - 11x + 12$

451. $x^2 + 16x + 63$

452. $6x^2 + 19x + 15$

453. $6x^3 - 6x^2 + 16x - 16$

454. $2x^2 - 7x - 9$

455. $4x^2 + 21x + 20$

456. $16x^2 - 24x - 27$

457. $4x^2 + 34x - 18$

458. $2x^2 - x - 3$

459. $5x^2 - 23x + 24$

460. $x^3 + 2x^2 + 8x + 16$

461. $2x^2 - 5x + 3$

462. $3x^3 - 3x^2 - 18x + 18$

463. $6x^2 + 11x - 35$

464. $30x^3 - 40x^2 + 42x - 56$

465. $2x^2 - 2x - 12$

466. $x^2 + 17x + 72$

467. $4x^2 - 8x - 21$

468. $3x^3 - 24x^2 + 2x - 16$

469. $x^2 + 9x + 14$

470. $5x^2 + 7x - 24$

471. $5x^2 - 19x + 12$

472. $4x^2 + 33x + 8$

473. $3x^2 - 28x + 9$

474. $2x^2 + 8x - 10$

475. $4x^2 - 6x - 18$

476. $4x^2 + 18x + 14$

477. $3x^2 - 30x + 63$

478. $x^3 - 2x^2 - 2x + 4$

479. $2x^2 + 3x - 5$

480. $5x^3 - 35x^2 + 6x - 42$

481. $10x^2 - 10x - 20$

482. $5x^2 + 23x + 24$

483. $x^2 - 9$

484. $4x^2 + 22x + 24$

485. $3x^2 - 15x + 18$

486. $12x^2 - 31x + 20$

487. $x^3 + 9x^2 - 4x - 36$

488. $2x^2 - 9x - 81$

489. $24x^2 - 20x + 4$

490. $x^2 - x - 42$

491. $4x^2 - 19x + 12$

492. $8x^2 - 12x - 8$

493. $3x^3 - 12x^2 + 2x - 8$

494. $4x^2 - 25x + 6$

495. $20x^3 - 35x^2 + 20x - 35$

496. $6x^2 - 10x - 4$

497. $2x^2 + 20x + 32$

498. $4x^2 + 29x - 63$

499. $3x^2 + 20x - 32$

500. $5x^3 + 10x^2 + 6x + 12$