

Corrective Assignment 10.6

Name: _____

Factor each completely.

1) $-6b^2 - 6b + 432$

2) $6x^2 - 30x$

3) $-20x^2 + 8x$

4) $18a^2 - 156a - 54$

5) $-45x^2 - 225x$

6) $24x^4 + 28x^3 - 96x^2$

Solve each equation by factoring.

7) $3a^3 = 72a - 15a^2$

8) $12k^2 - 455 = -7 + 5k^2$

9) $15x^3 - 21x = -6x^2$

10) $21x^2 + 181x + 112 = -x$

Answers to 9-7 Corrective Assignment (ID: 1)

1) $-6(b-8)(b+9)$

2) $6x(x-5)$

3) $-4x(5x-2)$

4) $6(3a+1)(a-9)$

5) $-45x(x+5)$

6) $4x^2(3x+8)(2x-3)$

7) $\{3, -8, 0\}$

8) $\{8, -8\}$

9) $\{-\frac{7}{5}, 1, 0\}$

10) $\{-\frac{2}{3}, -8\}$