

## Precalculus Prerequisites Section 0.6 Exercises

1. Factor.

(a)  $3x^2 - 5x + 2$

(b)  $12x^3 - 8x^2 - 4x$

(c)  $x^3 - 3x^2 - 8x + 24$

(d)  $9(x - 2)^2 - x^2$

2. Find all rational number solutions.

(a)  $(7x^2 + x)(3x - 9) = 0$

(b)  $25x^2 - 36 = 0$

(c)  $2x^2 - 5x + 2 = 6x - 3$