

Exam 3 Review Problems - Answers

1. (a) $3p - 2)(p - 5)$
(b) $xy(4x - 1)(x + 3)$
(c) $2(5x + y)(5x - y)$
(d) $(a + 3b)(a^2 - 3ab + 9b^2)$
2. (a) $\{2, 4\}$
(b) $\{-3, \frac{1}{2}\}$
(c) $\{0, 16\}$
3. -2 and -1, or 5 and 6
4. $\{1, 6\}$
5. $\frac{r-4}{3}$
6. $\frac{9+8x}{6x^2}$
7. $\frac{-k^2-6k+3}{3(k+3)(k-3)}$