Section 5.3 Focus Exercise Answers

1. a) $(x^2 + 4)(2x + 7)$

b) $(m^2 - 2)(m + 6)$

c) $(x - 5)(3x - 4y)$

d) $(3x^2 - 1)(2x + 1))$

e) $(r + p)(6 - 5p)$

or $(-5p + 6)(p + r)$

or $-(5p - 6)(p + r)$

f) $(2y^2 + 3)(5y - 4)$

g) $(-x^2 + 2)(3x - 4)$

or $-(x^2 - 2)(3x - 4)$

h) $(5x^2 - 3)(x + 4)$

2. a) 2 and 10

b) - 5 and - 5

c) 12 and 1

d) - 8 and - 5

e) No Solution

f) - 14 and - 2

g) - 6 and + 10

h) - 7 and + 6

i) + 3 and - 3

j) No Solution

k) - 8 and + 3

l) - 15 and + 1

m) + 15 and - 3

n) - 15 and - 2