

Section 5.5 Focus Exercise Answers

The answers may be in a different order (because of the Commutative Property). For example, the answer to #1(b) could also be written $(x - 4)(x - 10)$.

- 1.** a) Prime
b) $(x - 10)(x - 4)$
c) $(x + 12)(x + 3)$
d) $(x - 4)(x - 8)$
e) $(x + 6)(x + 2)$
f) $(x - 5)(x - 4)$
g) $(x + 4)(x + 7)$
h) $(x - 3)(x - 7)$
i) $(x + 8)(x - 6)$
j) $(x - 5)(x + 2)$
k) $(x + 6)(x - 3)$
l) $(x - 11)(x + 7)$
m) $(x - 8)(x - 8)$ or $(x - 8)^2$
n) Prime
o) $(x + 10)(x - 5)$
p) $(x - 7)(x + 6)$
- 2.** a) $(x + 7)^2$
b) $(x + 11)^2$
c) $(x - 1)^2$
d) $(x - 2)^2$
e) $(x - 12)(x - 3)$
f) Prime
g) Prime
h) $(x + 8)(x - 2)$
i) $(x + 9)(x + 1)$
j) Prime
- 3.** a) $(4x + 1)^2$
b) $(3x + 1)^2$
c) $(2x - 5)^2$
d) $(3x - 1)(3x - 4)$
e) $(8x - 1)^2$
f) Prime