

## Lesson 10 Practice Problems

1. Solve each equation.

a.  $2(x - 3) = 14$

b.  $-5(x - 1) = 40$

c.  $12(x + 10) = 24$

d.  $\frac{1}{6}(x + 6) = 11$

e.  $\frac{5}{7}(x - 9) = 25$

2. Select **all** expressions that represent a correct solution to the equation  $6(x + 4) = 20$ .

A.  $(20 - 4) \div 6$

B.  $\frac{1}{6}(20 - 4)$

C.  $20 - 6 - 4$

D.  $20 \div 6 - 4$

E.  $\frac{1}{6}(20 - 24)$

F.  $(20 - 24) \div 6$

3. Lin and Noah are solving the equation  $7(x + 2) = 91$ .

Lin starts by using the distributive property. Noah starts by dividing each side by 7.

a. Show what Lin's and Noah's full solution methods might look like.

b. What is the same and what is different about their methods?