1.6 – Distributing A Negative

Simplify.

1. $5 - 7(2n + 1)$

   $5 - 14n - 7$

   $-14n - 2$

2. $2n - 5(6 - 3n)$

   $2n - 30 + 15n$

   $17n - 30$

3. $11 - (5x + 4)$

   $11 - 5x - 4$

   $-5x + 7$

4. $-5(3y - 7) - (6 + 4y)$

   $-15y + 35 - 6 - 4y$

   $-19y + 29$

5. $3(4x - 2) - 2(2x + 3) - 5$

   $12x - 6 - 4x - 6 - 5$

   $8x - 17$

Simplify. THEN Evaluate.

6. $12 - 3(5x - 7) - 4x$ for $x = -2$

   $12 - 15x + 21 - 4x$

   $33 - 19x$

   $33 - 19(-2)$

   $33 + 38$

   71

7. $-3(7 - x) - (3 - x) - 5x$ for $x = 3$

   $-21 + 3x - 3 + x - 5x$

   $-x - 24$

   $-3 - 24$

   -27

8. $10 - 2(3 - 4x) - (3x - 2)$ for $x = -4$

   $10 - 6 + 8x - 3x + 2$

   $5x + 6$

   $5(-4) + 6$

   $-20 + 6$

   -14