

Evaluating Linear Functions, Set 2

Circle the correct answer.

1. For $f(x) = 8x + (-4)$, evaluate $f(-7)$.

- ☒ $f(-7) = -60$ $8(-7) + (-4)$
- ☐ $f(-7) = -39$ $8(-7) = -56 - 4$
- ☐ $f(-7) = -25$ $8(-7) = -60$
- ☐ $f(-7) = -52$ $(-7, -60)$

2. For $f(x) = 4x + 7$, evaluate $f(5)$.

- ☐ $f(5) = 33$ $f(5) = 4(5) + 7$
- ☒ $f(5) = 27$ $f(5) = 20 + 7$
- ☐ $f(5) = 23$ $f(5) = 27$
- ☐ $f(5) = 13$ $(5, 27)$

3. For $f(x) = 3x + 8$, evaluate $f(7)$.

- ☐ $f(7) = 31$ $f(7) = 3(7) + 8$
- ☐ $f(7) = 17$ $f(7) = 21 + 8$
- ☒ $f(7) = 29$ $f(7) = 29$
- ☐ $f(7) = 13$ $(7, 29)$

4. For $f(x) = -7x + 8$, evaluate $f(4)$.

- ☐ $f(4) = -52$ $f(4) = -7(4) + 8$
- ☒ $f(4) = -20$ $f(4) = -28 + 8$
- ☐ $f(4) = -60$ $f(4) = -20$
- ☐ $f(4) = -36$ $(4, -20)$

5. For $f(x) = -6x + 1$, evaluate $f(2)$.

- ☒ $f(2) = -11$ $f(2) = -6(2) + 1$
- ☐ $f(2) = -4$ $f(2) = -12 + 1$
- ☐ $f(2) = -8$ $f(2) = -11$
- ☐ $f(2) = -13$ $(2, -11)$

6. For $f(x) = 2x + 9$, evaluate $f(-8)$.

- ☐ $f(-8) = 10$ $f(-8) = 2(-8)$
- ☒ $f(-8) = -7$ $f(-8) = -16 + 9$
- ☐ $f(-8) = 26$ $f(-8) = -7$
- ☐ $f(-8) = -25$ $(-8, -7)$

7. For $f(x) = 4x + (-8)$, evaluate $f(6)$.

- ☐ $f(6) = -26$ $f(6) = 4(6) + (-8)$
- ☐ $f(6) = -38$ $f(6) = 24 - 8$
- ☒ $f(6) = 16$ $f(6) = 16$
- ☐ $f(6) = 32$ $(6, 16)$

8. For $f(x) = 2x + (-3)$, evaluate $f(5)$.

- ☐ $f(5) = -1$ $f(5) = 2(5) + (-3)$
- ☐ $f(5) = -11$ $f(5) = 10 - 3$
- ☐ $f(5) = 13$ $f(5) = 7$
- ☒ $f(5) = 7$ $(5, 7)$

9. For $f(x) = 4x + 3$, evaluate $f(3)$.

- ☐ $f(3) = 15$ $f(3) = 4(3) + 3$
- ☒ $f(3) = 15$ $f(3) = 12 + 3$
- ☐ $f(3) = 9$ $f(3) = 15$
- ☐ $f(3) = -9$ $(3, 15)$

10. For $f(x) = 7x + 10$, evaluate $f(4)$.

- ☐ $f(4) = 74$ $f(4) = 7(4) + 10$
- ☐ $f(4) = 66$ $f(4) = 28 + 10$
- ☐ $f(4) = 18$ $f(4) = 38$
- ☒ $f(4) = 38$ $(4, 38)$