

## Simplify Linear Expressions - Type 1

### One distributive

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#### MULTIPLE CHOICE

1. Simplify:  $4x + 2 + (x + 3)$

a.  $5x + 5$

b.  $5x + 1$

c.  $3x + 5$

d.  $3x + 1$

ANS: A

PTS: 4

DIF: Grade 8

2. Simplify:  $7x + 2 + 8(x - 3)$

a.  $15x - 22$

b.  $15x - 26$

c.  $15x + 26$

d.  $15x + 22$

ANS: A

PTS: 4

DIF: Grade 8

3. Simplify:  $6x + 1 - (x + 2)$

a.  $5x - 1$

b.  $5x - 3$

c.  $5x + 3$

d.  $5x + 1$

ANS: A

PTS: 4

DIF: Grade 8

4. Simplify:  $3x + 2 - 7(x + 5)$

a.  $-4x - 33$

b.  $-4x + 37$

c.  $-10x - 33$

d.  $-10x + 37$

ANS: A

PTS: 4

DIF: Grade 8

5. Simplify:  $9x - 2 - 3(x - 8)$

a.  $6x + 22$

b.  $6x - 26$

c.  $12x + 22$

d.  $12x - 26$

ANS: A

PTS: 3

DIF: Grade 8

6. Simplify:  $4x + 6 - 2(x - 4)$

a.  $2x + 14$

b.  $2x - 2$

c.  $-6x + 14$

d.  $-6x - 2$

ANS: A

PTS: 3

DIF: Grade 8

7. Simplify:  $2x - 7 - 5(x - 7)$

a.  $-3x + 28$

b.  $-3x + 42$

c.  $7x + 28$

d.  $7x + 42$

ANS: A

PTS: 5

DIF: Grade 8

8. Simplify:  $5x + 4 - 6(x - 5)$   
a.  $-x + 34$  c.  $-11x + 34$   
b.  $-x + 26$  d.  $-11x + 26$   
ANS: A PTS: 5 DIF: Grade 8
9. Simplify:  $-6x - 2 + 4(x + 7)$   
a.  $-2x + 26$  c.  $-10x + 26$   
b.  $-2x + 30$  d.  $-10x + 30$   
ANS: A PTS: 5 DIF: Grade 8
10. Simplify:  $-5x + 9 + 6(x - 8)$   
a.  $x - 39$  c.  $11x - 39$   
b.  $x - 57$  d.  $11x - 57$   
ANS: A PTS: 5 DIF: Grade 8
11. Simplify:  $-x + 9 - 4(x - 3)$   
a.  $-5x + 21$  c.  $3x + 21$   
b.  $-5x - 3$  d.  $3x - 3$   
ANS: A PTS: 1 DIF: Grade 8
12. Simplify:  $-7x + 2 - 6(x - 9)$   
a.  $-13x + 56$  c.  $x + 56$   
b.  $-13x - 52$  d.  $x - 52$   
ANS: A PTS: 1 DIF: Grade 8
13. Simplify:  $-6x - 7 - 1(x - 9)$   
a.  $-7x + 2$  c.  $-5x + 2$   
b.  $-7x + 16$  d.  $-5x + 16$   
ANS: A PTS: 1 DIF: Grade 8
14. Simplify:  $-7x + 6 - 3(x - 4)$   
a.  $-10x + 18$  c.  $4x + 18$   
b.  $-10x + 6$  d.  $4x + 6$   
ANS: A PTS: 1 DIF: Grade 8