



Quadratic Functions - Function Table

Name _____

Score _____

FT:II:10

Complete the function tables.

1) $f(x) = (x + 3)(x - 5)$

| | | | | |
|------|----|-----|---|---|
| x | -1 | | 8 | |
| f(x) | | -15 | | 0 |

2) $f(x) = x^2 + 2x - 3$

| | | | | |
|------|----|----|----|---|
| x | | -2 | | 0 |
| f(x) | 21 | | 21 | |

3) $f(x) = -2x^2$

| | | | | |
|------|----|---|----|-----|
| x | -5 | 3 | | |
| f(x) | | | -2 | -98 |

4) $f(x) = 7(1 - x^2)$

| | | | | |
|------|---|-----|----|----|
| x | | | -3 | -4 |
| f(x) | 0 | -21 | | |

5) $f(x) = x(x + 2)$

| | | | | |
|------|---|---|----|---|
| x | 0 | | | 3 |
| f(x) | | 8 | -1 | |



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Answer key

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Complete the function tables.

1) $f(x) = (x + 3)(x - 5)$

| | | | | |
|------|------------|----------|-----------|-----------|
| x | -1 | 0 | 8 | -3 |
| f(x) | -12 | -15 | 33 | 0 |

2) $f(x) = x^2 + 2x - 3$

| | | | | |
|------|----------|-----------|-----------|-----------|
| x | 4 | -2 | -6 | 0 |
| f(x) | 21 | -3 | 21 | -3 |

3) $f(x) = -2x^2$

| | | | | |
|------|------------|------------|-----------|----------|
| x | -5 | 3 | -1 | 7 |
| f(x) | -50 | -18 | -2 | -98 |

4) $f(x) = 7(1 - x^2)$

| | | | | |
|------|----------|----------|------------|-------------|
| x | 1 | 2 | -3 | -4 |
| f(x) | 0 | -21 | -56 | -105 |

5) $f(x) = x(x + 2)$

| | | | | |
|------|----------|-----------|-----------|-----------|
| x | 0 | -4 | -1 | 3 |
| f(x) | 2 | 8 | -1 | 15 |