Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ November 10, 2014

**Solve each equation. Then graph each solution on the number line.**

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| 1) 8m – 15 = 41 | 2) 7y + 11 = 60 |
| 3) + 21 = 27 | 4) + 8 = 13 |

Determine which, if any, of the given values of a solution.

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| 5) 9*s* + 3 = 57  *s* = 5; *s* = -5; *s* = 6 | 6) 4*d* + 6 = 42  *d* = 4; *d* = 5; *d* =6 | 7) 6y – 1 = 41  *y* = -7; *d* = 7; *d* =8 | 8) –*m* -1 = -2  *m* = -1; *d* = 1; *d* =2 |
| 9) -3*f* + 4 = -11  *f* = 5; *f* = -5; *f* = 6 | 10) 2*x* – 5 = -11  *x* = 3; *x* = -3; *x* = 4 | 11) -5*p* – 5 = 15  *p* = 3; *p* = -3; *p* = -4 | 12) -4*d* + 6 = -42  *d* = 10; *d* =11; *d* =12 |
| 13) 9*s* - 4 = -13  *s* = 1; *s* = 2; *s* = -1 | 14) 10*k* – 5 = 25  *k* = 1; *k* = 2; *k* = 3 | 15) 6y – 1 = 23  *y* = 4; *y* = -4; *y* =5 | 16) 3*f* + 4 = 22  *f* = 5; *f* = -5; *f* = 6 |

