○ 0
○ 3.1

Your latest: 100% • Your highest: 100% • To pass you need at least 75%. We keep your highest score.

1. Which of the following real numbers is <u>not</u> an integer?

Next item →

1/1 point

(4.3)	
O 7	
O 0	
\bigcirc -3	
 correct 4.3 is a decimal that is between two consecutive integers (4 and 5). 	
2. Which of the following is the absolute value $\left -7\right $ of the number -7 ?	1/1 point
O -7	
O 0	
O 1	
Correct The absolute value of a number x is the distance along the number line from x to 0. In this case,	
-7 is 7 units away from 0 , and so $ -7 =7$.	
3. Suppose I tell you that x and y are two real numbers which make the statement $x < y$ true. Which pair	1/1 point
of numbers $ extit{cannot}$ be values for x and y ?	
$\bigcirc \ x=1$ and $y=7.3$	
lacktriangledown $x=5$ and $y=3.3$	
$\bigcirc \ x = -1$ and $y = 0$	
$\bigcirc \ x = -17.3$ and $y = -17.1$	
⊙ Correct	
The statement $x < y$ means that x is to the left of y on the real number line. Since 5 is to the right	
of 3.3 , these cannot be values for x and y .	
4. Suppose I tell you that w is a real number which makes both of the following	1/1 point
statements true: $w \! > \! 1$ and $w \! < \! 1.2$. Which of the following numbers could be w ?	
\bullet $w = 1.05$	
$\bigcirc w = 11$	
$\bigcirc w = 0$	
$\bigcirc w = 1.2$	
\odot correct $1.05>1$ is true since 1.05 is to the right of 1 on the real number line, and $1.05<1.2$ is also	
true, since 1.05 is to the left of 1.2 on the real number line.	
5. Suppose that x and y are two real numbers which satisfy $x+3=4y+1$. Which	1/1 point
of the following statements are false?	1/1 point
lefton x = 4y	
$\bigcirc x+2=4y$	
$\bigcirc x = 4y - 2$	
$\bigcirc 2x + 6 = 8y + 2$	
\odot Correct The equation $x=4y$ cannot be derived from the given equation.	
6. Which of the following real numbers is in the open interval $(2,3)$?	1/1 point
○ 3	
○ 2	
O 1	
⊘ Correct	
Recall that the open interval $\left(2,3\right)$ consists of all	
real numbers x which satisfy $2 < x < 3$. Since $2.1 > 2$ and $2.1 < 3$, the number 2.1 is in this open interval.	
7. Which of the following real numbers are in the open ray $(3.1,\infty)$?	1/1 point

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4.75

\bigcirc -5
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8. Which of the following values for x solves the equation -3x+2=-4

1/1 point

 $\bigcirc \ \, \text{All values of} \, x \, \text{such that} \, x \leq 2$ $\bigcirc x = -2$ $\bigcirc \ x=rac{2}{3}$ \bigcirc x=2

 \bigodot Correct First we subtract 2 from both sides of the given equation, to obtain -3x=-6. Finally, to isolate x we divide both sides of the equation by -3 to obtain x=2.