

# Algebra 1 – ‘Highest value’ : Bounce quiz

Which function produces the highest value?

1. The function with the HIGHEST value when  $x=2$
2. The function with the HIGHEST value when  $x=6$
3. The function with the HIGHEST value when  $x=3$
4. The function with the HIGHEST value when  $x=0$
5. The function with the HIGHEST value when  $x=7$
6. The function with the HIGHEST value when  $x=-2$
7. The function with the HIGHEST value when  $x=-3$
8. The function with the HIGHEST value when  $x=4$
9. The function with the HIGHEST value when  $x=1$
10. The function with the HIGHEST value when  $x=-1$

$5x$

$x+5$

$x^2$

Which function produces the highest value?

1. The function with the HIGHEST value when  $x=-3$
2. The function with the HIGHEST value when  $x=1$
3. The function with the HIGHEST value when  $x=5$
4. The function with the HIGHEST value when  $x=2$
5. The function with the HIGHEST value when  $x=-2$
6. The function with the HIGHEST value when  $x=0$
7. The function with the HIGHEST value when  $x=4$
8. The function with the HIGHEST value when  $x=-4$
9. The function with the HIGHEST value when  $x=-1$
10. The function with the HIGHEST value when  $x=-5$

$3x$

$x+3$

$x^2$

Questions provided courtesy of Mr Peter Dawes

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## (Answers)

1. The function with the HIGHEST value when  $x=2$   $5x$
2. The function with the HIGHEST value when  $x=6$   $x^2$
3. The function with the HIGHEST value when  $x=3$   $5x$
4. The function with the HIGHEST value when  $x=0$   $x+5$
5. The function with the HIGHEST value when  $x=7$   $x^2$
6. The function with the HIGHEST value when  $x=-2$   $x^2$
7. The function with the HIGHEST value when  $x=-3$   $x^2$
8. The function with the HIGHEST value when  $x=4$   $5x$
9. The function with the HIGHEST value when  $x=1$   $x+5$
10. The function with the HIGHEST value when  $x=-1$   $x+5$

1. The function with the HIGHEST value when  $x=-3$   $x^2$
2. The function with the HIGHEST value when  $x=1$   $x+3$
3. The function with the HIGHEST value when  $x=5$   $x^2$
4. The function with the HIGHEST value when  $x=2$   $3x$
5. The function with the HIGHEST value when  $x=-2$   $x^2$
6. The function with the HIGHEST value when  $x=0$   $x+3$
7. The function with the HIGHEST value when  $x=4$   $x^2$
8. The function with the HIGHEST value when  $x=-4$   $x^2$
9. The function with the HIGHEST value when  $x=-1$   $x+3$
10. The function with the HIGHEST value when  $x=-5$   $x^2$

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