

H Alg 2

Transforming Function Families

Describe each transformation.

1. $y = 3x + 2$

2. $y = \left| -\frac{1}{2}x \right| + 5$

3. $y = -\frac{3}{4}(x-2)^5 + 8$

4. $y = \frac{4}{(x+2)^3} - 3$

5. $y = -5 \sin x$

6. $y = 5\left(\frac{1}{2}\right)^{x+1} - 2$

7. $y = \log 2x + 1$

8. $y = -\frac{1}{3}(3)^{x-6} + 2$

9. $y = 5(x-1)^4 - 1$

10. $y = -\sqrt{\frac{1}{2}(x+7)}$

Name the parent. List a, b, h, k
& describe the transformations
using specific details.