

Match groups of 3:

The equation

The description of the transformation

The graph

Equations:

|               |               |               |                |                 |                  |
|---------------|---------------|---------------|----------------|-----------------|------------------|
| $y = x^2 + 4$ | $y = (x-3)^2$ | $y =  x  + 8$ | $y = -x^2 + 3$ | $y =  x+2  - 3$ | $y = - x-4  + 5$ |
|---------------|---------------|---------------|----------------|-----------------|------------------|

Descriptions:

|                         |                   |            |                           |               |            |
|-------------------------|-------------------|------------|---------------------------|---------------|------------|
| up 3 units, upside down | left 2 and down 3 | up 4 units | right 4, up 5 upside down | right 3 units | up 8 units |
|-------------------------|-------------------|------------|---------------------------|---------------|------------|

Graphs:

Equations:

