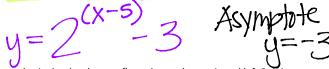


Base b>1→ Grown ← b<1→ Decay C>

Mrita tha	equations	for tha	following	cnacific	ccongrice
vviile liie	cuuations	ioi tiie	IUIIUWIIIE	Specific	scenanos.

1) An exponential growth that has been shifted right 5 units and down 3 units.



2) A quadratic that has been reflected over the x-axis and left 3 units.

$$y = -(x+3)^2$$

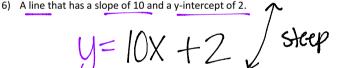
3) An exponential decay that has been vertically stretch by a factor of 10.

4) An exponential growth that has an asymptote of 4 and moved right 2 units.

$$y = 5^{(x-2)} + 4$$

5) A quadratic that has been norizontally stretched by ¼ and moved down 6 units.

Vertex (0,-6)



7) An exponential decay that has been vertically shrunk by a factor of 1/6 and reflected over the x-axis.

$$y = -\frac{1}{6} (0.125)^{x}$$

8) An exponential growth that has been moved left 8 units and has an asymptote of -4.

$$y = 47^{(x+8)} - 4$$