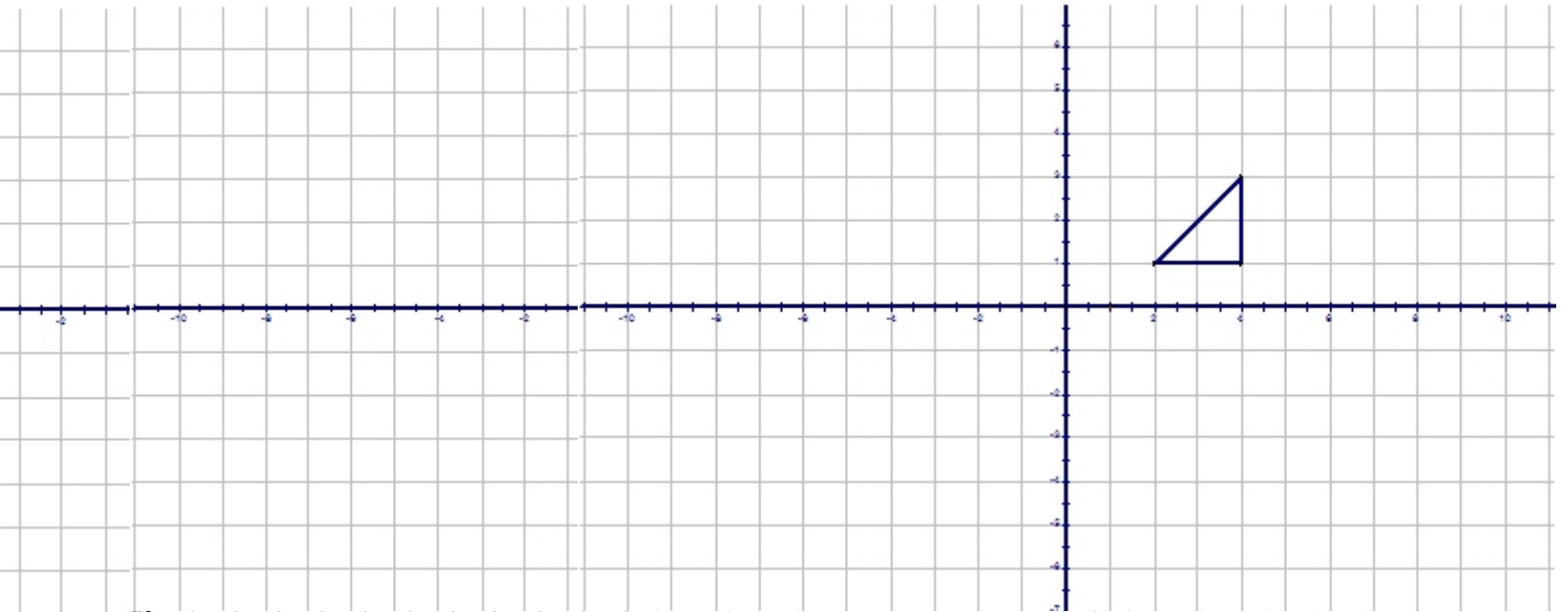


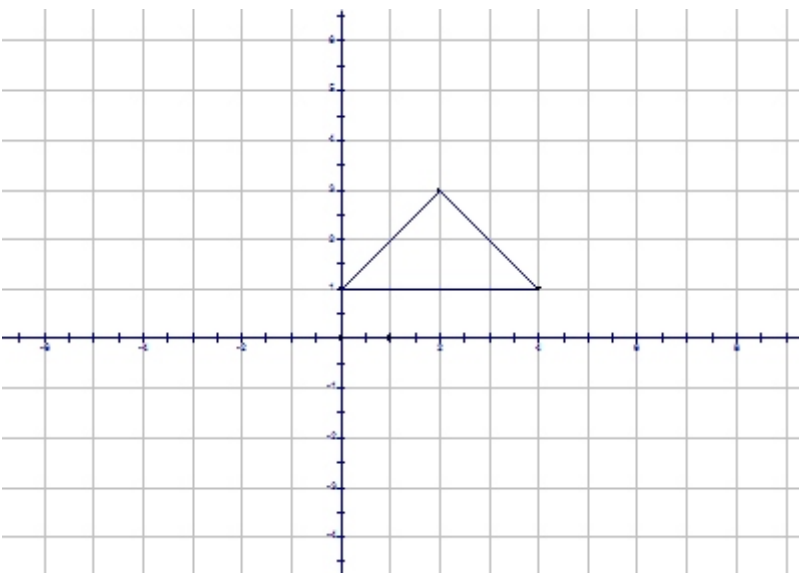
## Transformations: Dilations



of  $1/2$  from the point  $(4, 1)$ .

of  $1/2$  from the point  $(4, 3)$ .

of  $1/2$  from the point  $(3, 2)$ .

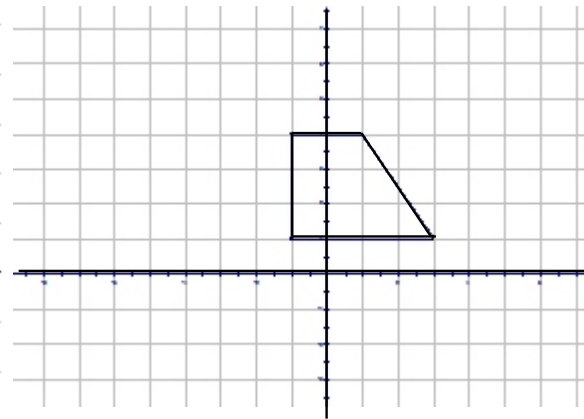


7) Dilate the triangle by a factor of 2 from the point  $(0, 1)$ .

8) Dilate the triangle by a factor of 3 from the point  $(2, 2)$ .

9) Dilate the triangle by a factor of 2 from the point  $(2, 4)$ .

10) Dilate the triangle by a factor of  $.5$  from the point  $(6, 1)$ .

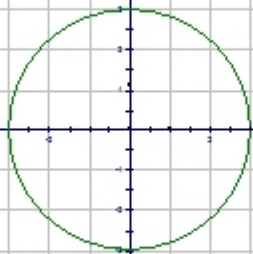


11) Dilate the trapezoid by a factor of 2 from the point  $(0, 5)$ .

12) Dilate the trapezoid by a factor of 2 from the point  $(0, 3)$ .

13) Dilate the trapezoid by a factor of  $1/2$  from the point  $(3, 1)$ .

14) Dilate the trapezoid by a factor of 2 from the point  $(-1, -1)$ .



15) Dilate the circle by a factor of 2 from the point  $(0, 0)$ .

16) Dilate the circle by a factor of  $\frac{2}{3}$  from the point  $(0, 0)$ .

17) Dilate the circle by a factor of 2 from the point  $(0, 1)$ .

18) Dilate the circle by a factor of  $\frac{1}{3}$  from the point  $(0, 0)$ .

19) Dilate the circle by a factor of 2 from the point  $(0, -3)$ .

20) Dilate the circle by a factor of  $\frac{4}{3}$  from the point  $(0, 0)$ .

21) Dilate the circle by a factor of  $\frac{1}{2}$  from the point  $(0, -1)$ .

22) Dilate the circle by a factor of  $\frac{3}{2}$  from the point  $(0, 0)$ .

23) Dilate the triangle by a factor of 3 from the point  $(-1, -1)$ .

24) Dilate the triangle by a factor of  $\frac{1}{3}$  from the point  $(-2, -2)$ .

25) Dilate the triangle by a factor of 2 from the point  $(-3, -3)$ .

26) Dilate the triangle by a factor of 3 from the point  $(0, -1)$ .

27) Dilate the triangle by a factor of  $\frac{7}{3}$  from the point  $(-2, 1)$ .

28) Dilate the triangle by a factor of  $\frac{1}{3}$  from the point  $(1, -2)$ .

29) Dilate the circle by a factor of  $\frac{1}{2}$  from the point  $(0, -2)$ .

30) Dilate the circle by a factor of  $\frac{5}{2}$  from the point  $(-2, -2)$ .



31) Dilate the triangle by a factor of 2 from the point  $(-1, 4)$ .

32) Dilate the triangle by a factor of  $\frac{1}{3}$  from the point  $(-4, 5)$ .

33) Dilate the triangle by a factor of .5 from the point  $(2, 2)$ .

34) Dilate the triangle by a factor of  $\frac{4}{3}$  from the point  $(-4, 5)$ .

35) Dilate the triangle by a factor of 2 from the point  $(1, 5)$ .