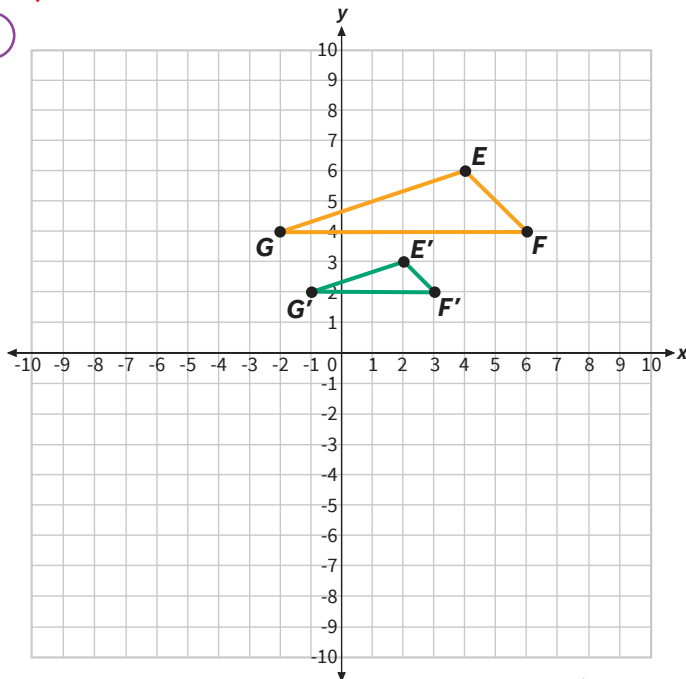# DESCRIBING DILATIONS

Each coordinate plane below shows a preimage and its dilated image. All dilations are centered at the origin. Write a sentence to describe each dilation. The first problem has been completed for you.
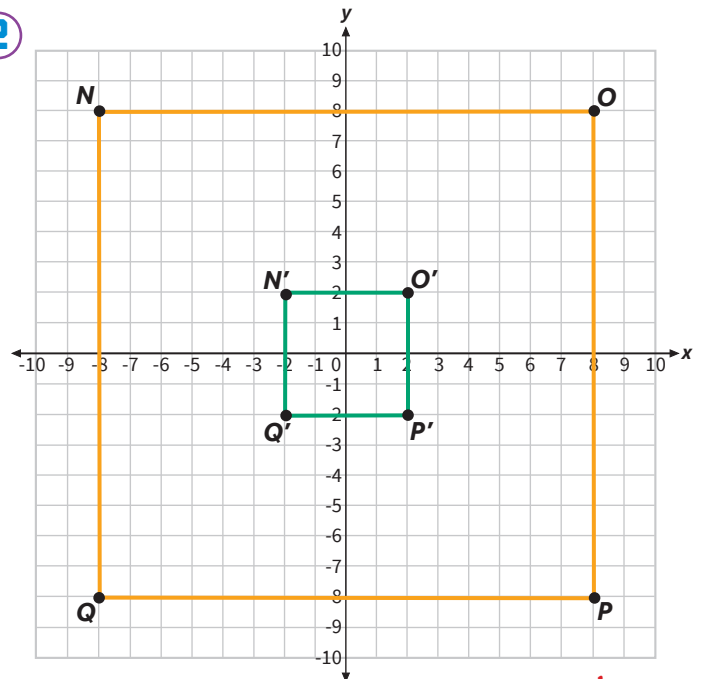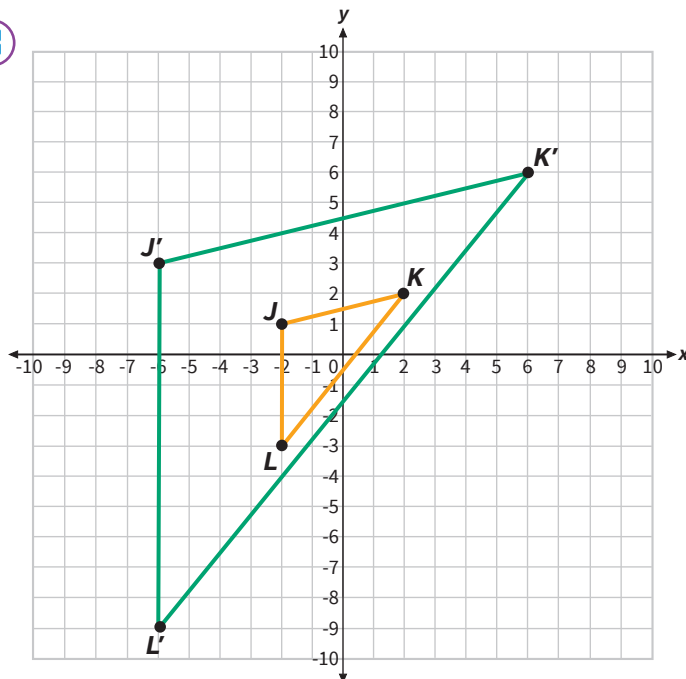
Sample answers

①

Triangle *EFG* was dilated by a scale factor of $\frac{1}{2}$ to form triangle *E'F'G'*.
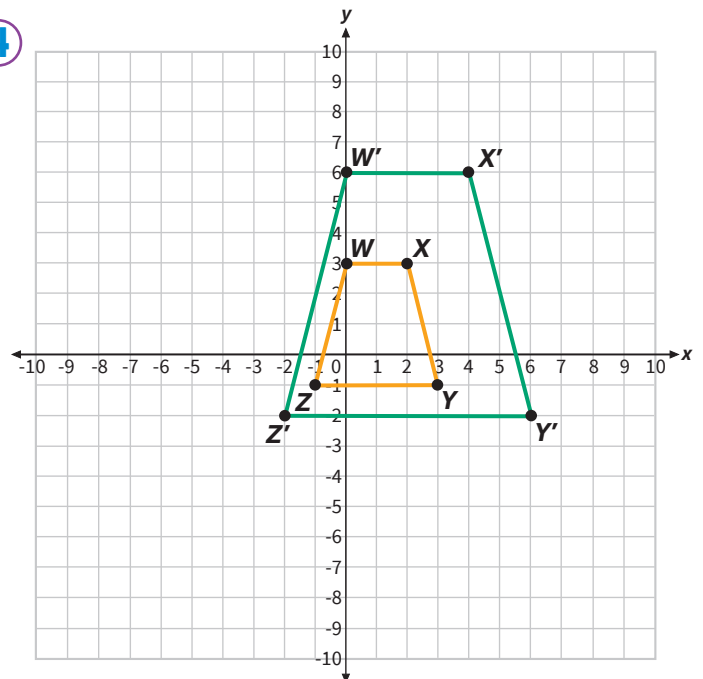
②

Square *NOPQ* was dilated by a scale factor of $\frac{1}{4}$ to form square *N'O'P'Q'*.

③

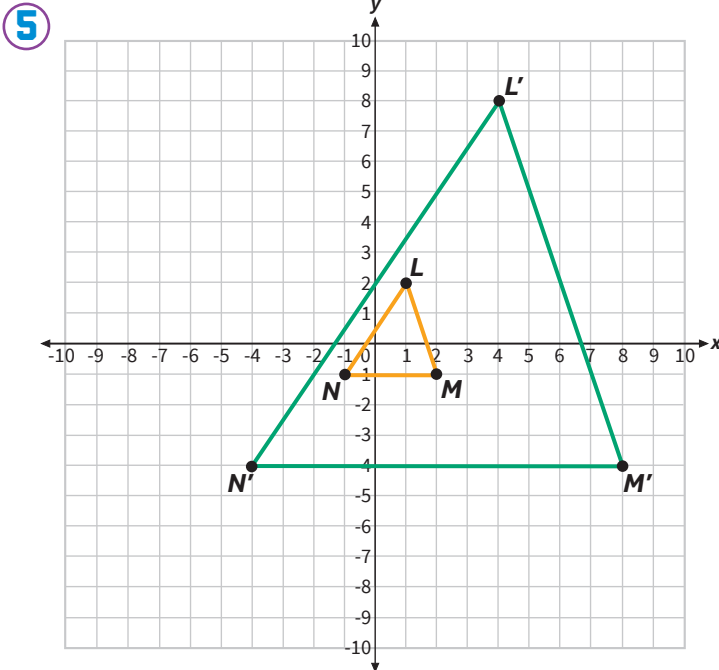Triangle *JKL* was dilated by a scale factor of 3 to form triangle *J'K'L'*.
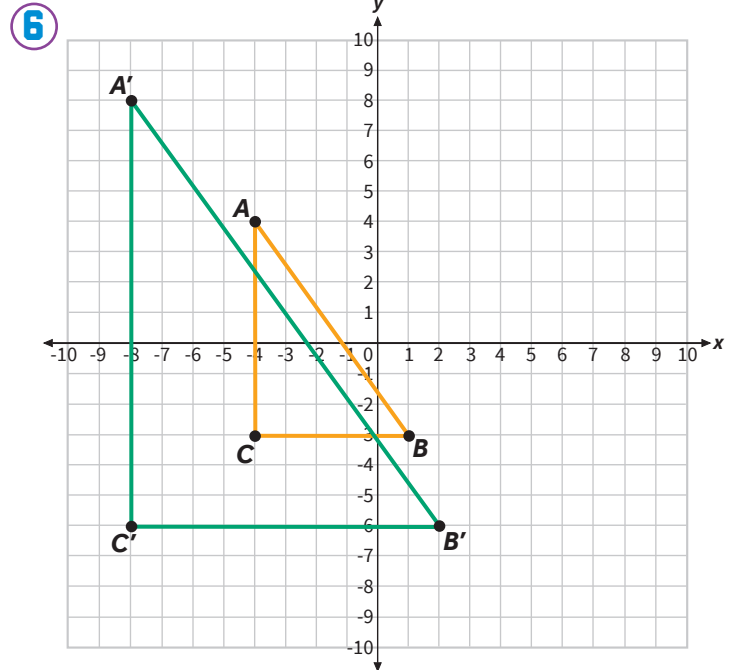
④

Trapezoid *WXYZ* was dilated by a scale factor of 2 to form trapezoid *W'X'Y'Z'*.
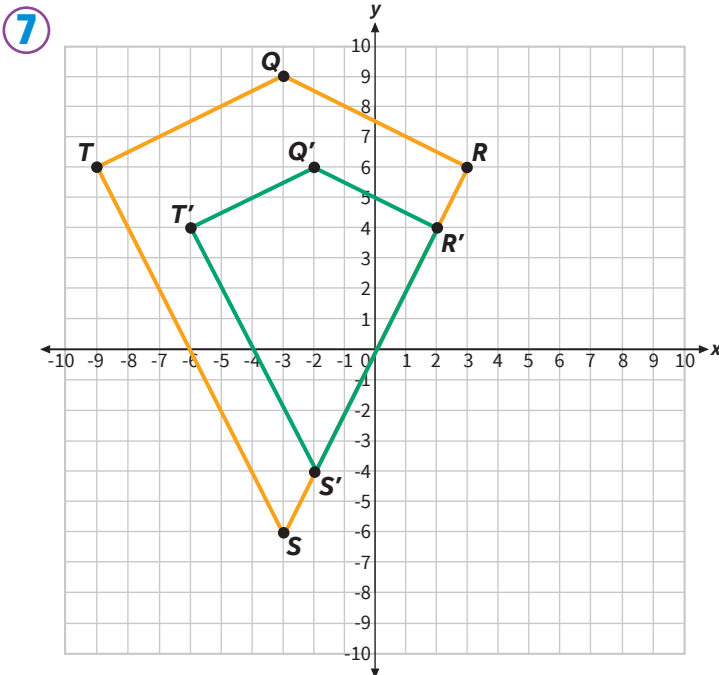
DESCRIBING DILATIONS

KEEP GOING! Each coordinate plane below shows a preimage and its dilated image. All dilations are centered at the origin. Write a sentence to describe each dilation. Sample answers
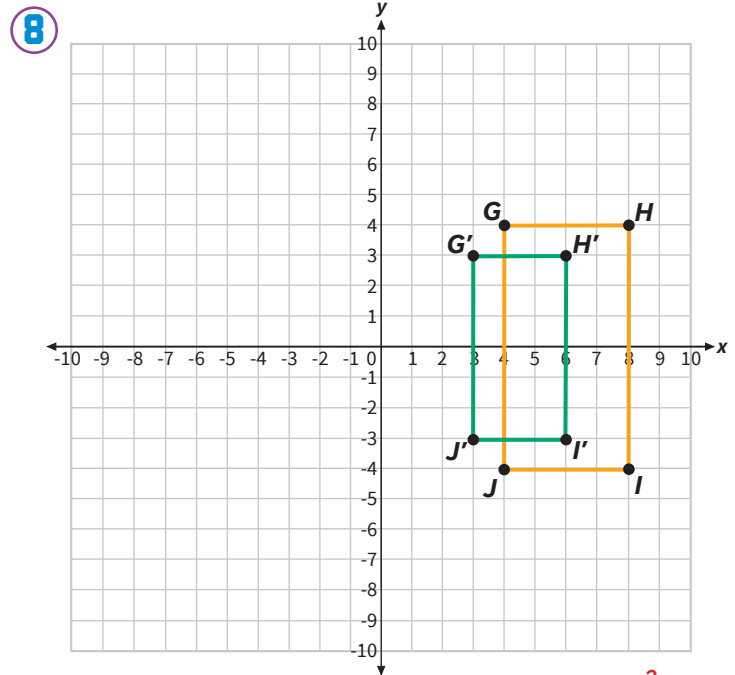
5

Triangle *LMN* was dilated by a scale factor of 4 to form triangle *L'M'N'*.

6

Triangle *ABC* was dilated by a scale factor of 2 to form triangle *A'B'C'*.

7

Quadrilateral *QRST* was dilated by a scale factor of $\frac{2}{3}$ to form quadrilateral *Q'R'S'T'*.

8

Rectangle *GHIJ* was dilated by a scale factor of $\frac{3}{4}$ to form rectangle *G'H'I'J'*.

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