$\qquad$

Apply the Pythagorean theorem. Find whether each triangle has a right angle.

3)

$\qquad$
5) In triangle $X Y Z$, the sides $X Y, Y Z$ and $X Z$ measure $12 \mathrm{ft}, 16 \mathrm{ft}$ and 20 ft respectively. Prove that $X Y Z$ is a right triangle.
6) In triangle $P Q R$, the sides $P Q, Q R$ and $P R$ measure 15 in, 20 in and 25 in respectively. Prove that PQR is a right triangle.

