SQ **ME** The diagram shows triangle *XYZ*.   **3**
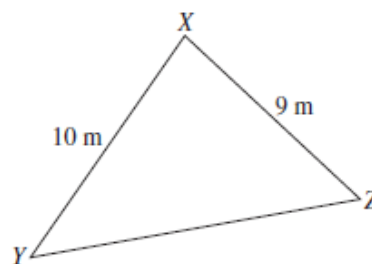   **27** The area of the triangle 43 m² and ∠*YXZ* is
            acute. What is the size of ∠*YXZ*, to the
            nearest degree?

NOT TO SCALE

Let ∠*YXZ* = θ.

Area = $\frac{1}{2}$ × 10 × 9 × $\sin \theta$ = 43

$45 \sin \theta = 43$

$\sin \theta = \dfrac{43}{45}$

$\theta = \dfrac{43}{45}$

= 72.85379

= 73 (nearest whole)   ∴ ∠*YXZ* = 73º.