

WS 5.4 - Area of Triangle

Find the area of each triangle to the nearest tenth.

1) In $\triangle HPK$, $m\angle P = 50^\circ$, $k = 4$ in, $m\angle H = 101^\circ$

2) In $\triangle CAB$, $c = 5$ cm, $a = 14.7$ cm, $b = 11$ cm

4) In $\triangle BCA$, $b = 13$ ft, $m\angle B = 52^\circ$, $a = 10$ ft

6) In $\triangle EFD$, $m\angle E = 28^\circ$, $d = 10$ ft, $m\angle F = 63^\circ$

8) In $\triangle HPK$, $m\angle H = 60^\circ$, $p = 6$ km, $k = 16$ km

3) In $\triangle KHP$, $k = 10$ m, $m\angle K = 52^\circ$, $p = 5$ m

5) In $\triangle PKH$, $p = 18$ in, $h = 15$ in, $k = 11$ in

7) In $\triangle CAB$, $a = 8.5$ in, $m\angle C = 43^\circ$, $b = 9$ in

Answers to WS 5.4 - Area of Triangle

1) 12.4 in^2
5) 82.3 in^2

2) 21.2 cm^2
6) 20.9 ft^2

3) 24.2 m^2
7) 26.1 in^2

4) 65 ft^2
8) 41.6 km^2