

1

(1) $3\sqrt{5}$	(2) $4\sqrt{3}$	(3) $\sqrt{65}$
(4) $\sqrt{57}$	(5) 6	(6) $\frac{10\sqrt{6}}{3}$

2

(1) $3\sqrt{2}$	(2) $\frac{9\sqrt{3}}{2}$	(3) $\sqrt{10}$
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3

(1) 5	(2) 1	(3) $10\sqrt{2}$
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4

$\sin(A)$ $\frac{3}{5}$	$\cos(A)$ $\frac{4}{5}$	$\tan(A)$ $\frac{3}{4}$
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5

$x =$ 8	$y =$ $4\sqrt{3}$
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6

(1) $\sin 60^\circ = \frac{\sqrt{3}}{2}$	(2) $\cos 60^\circ = \frac{1}{2}$	(3) $\tan 60^\circ = \sqrt{3}$
(2) $\sin 135^\circ = \frac{1}{\sqrt{2}}$	(3) $\cos 135^\circ = -\frac{1}{\sqrt{2}}$	(4) $\tan 135^\circ = -1$
(3) $\sin 150^\circ = \frac{1}{2}$	(4) $\cos 150^\circ = -\frac{\sqrt{3}}{2}$	(5) $\tan 150^\circ = -\frac{1}{\sqrt{3}}$