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$$(15) \quad f(x) = \sin(x) + |5\sin(x)|$$

$$-1 < \sin x < 1, \quad 0 < |5\sin(x)| < 5$$

$$0 < \sin x + |5\sin(x)| < 6 \quad \text{when } \sin x = -1, \quad |5\sin x| = 5,$$

$$\sin x + |5\sin x| \text{ max } 0$$

