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$E(2X-3)$

$Var(X)$

$E(3-2X)$

$Var(2X-3)$

$E(3X-2)$

Two fair dice are thrown.
X is the number of sixes obtained.

A bag contains 2 red and 3 white counters. 2 counters are drawn from the bag at random.
X is the number of red counters drawn.

3 fair coins are thrown.
X is the number of tails obtained.

$E(2X+3)$

A bag contains 3 red and 2 white counters. 2 counters are drawn from the bag at random.
X is the number of red counters drawn.

$E\left(\frac{4X+5}{2}\right)$

$E\left(\frac{9X-7}{4}\right)$

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