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<p>1 問1 $Ma = F - S - Mg$</p>	<p>問2 $ma = S - mg$</p>
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<p>問3 $a = \frac{F}{M+m} - g$</p>	<p>問4 $a' = \frac{F}{M} - g$</p>	<p>問5 $t = \sqrt{\frac{2Mh}{F}}$</p>
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<p>2 問1 (1) $p = n_A \frac{RT}{V}$</p>	<p>(2) $n_B = n_A$</p>	<p>(3) $U_0 = \frac{3}{2} RT (n_B + 2n_C)$</p>
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<p>問2 (4) $2T$</p>	<p>(5) $U_1 = 15n_A RT$</p>	<p>(6) ③</p>	<p>(7) $n_C = 5n_A$</p>
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<p>3 問1 (1) $0.9V$</p>	<p>(2) $0.0049W$</p>	<p>(3) 0</p>	<p>(4) 0</p>
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<p>問2 (5) ③</p>	<p>(6) ②</p>	<p>問3 (7) $10mA$</p>	<p>(8) $20mA$</p>
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<p>4 問1 (1) $2\pi(f_c + f)t$</p>	<p>(2) $2\pi(f_c - f)t$</p>	<p>(3) 7500</p>
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<p>(4) $4\pi f_c t$</p>	<p>(5) $4\pi f_c t$</p>
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<p>(6) $\frac{1}{2} Q(t) + \frac{1}{2} I(t) \sin(4\pi f_c t) - \frac{1}{2} Q(t) \cos(4\pi f_c t)$</p>
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<p>(7) 300</p>	<p>(8) $2\pi \frac{d}{\lambda} \sin \theta$</p>	<p>(9) 平面波の波長</p>	<p>(10) 大きい</p>
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<p>問2 (a) ④</p>

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