Constant Acceleration Equations

1. Sort the questions on your sheet by which constant acceleration equation you need to use to solve them.
2. Solve the questions. The quantities $u$, $v$, $s$ and $t$ are all positive, but $a$ could be positive or negative.
3. Could you write a worded problem for which they could each apply?

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| 1. $u=9$, $a=4$, $s=5$, find $v$
 | 1. $u=10$, $v=14$, $a=3$, find $s$
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| 1. $u=17$, $v=11$, $s=56$, find $a$
 | 1. $u=14$, $a=-2$, $t=5$, find $s$
 |
| 1. $v=20$, $a=1$, $t=6$, find $s$
 | 1. $u=10$, $s=65$, $t=5$, find $a$
 |
| 1. $u=18$, $v=12$, $s=210$, find $t$
 | 1. $u=9$, $a=4$, $s=35$, find $t$
 |
| 1. $u=20$, $s=110$, $t=5$, find $v$
 | 1. $s=93$, $v=42$, $t=\frac{3}{2}$, find $a$
 |
| 1. $u=24$, $v=10$, $a=-0.7$, find $t$
 | 1. $s=35$, $v=12$, $a=2$, find $u$
 |
| 1. $v=27$, $s=40$, $a=-4\frac{1}{2}$, find $t$
 | 1. $a=7$, $s=100$, $v-u=20$, find $u$
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